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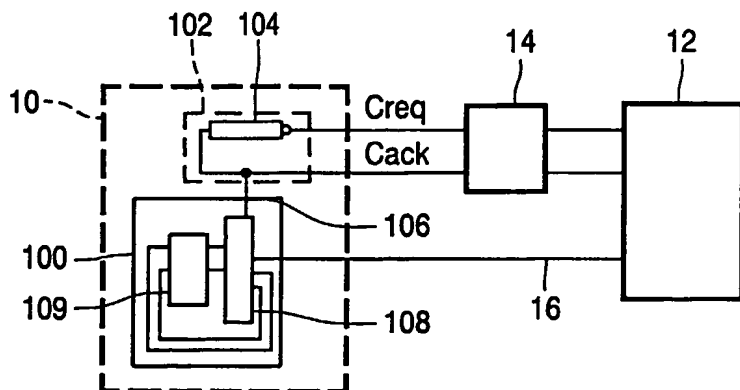
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- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **KESSELS, Jozef, L., W.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **PEETERS, Adrianus, M., G.** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **WIELAGE, Paul** [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (74) Agent: **GROENENDAAL, Antonius, W., M.**; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
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(54) Title: INFORMATION EXCHANGE BETWEEN LOCALLY SYNCHRONOUS CIRCUITS



(57) Abstract: A locally synchronous circuit module has a delay circuit having an input and output coupled to a clock input. The delay circuit provides a delay which when incorporated in a clock oscillator ensures a clock period that is at least as long as needed to transfer information between the storage elements. A handshake circuit is provided for generating handshake signals for timing information transfer between the locally synchronous circuit module and a further circuit. The handshake circuit comprises the delay circuit, so that at least part of the handshake

signals during a handshake transaction are timed by travelling through the delay circuit and are applied to the clock input to clock the locally synchronous circuit module.